RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/890,836B
Source:
Date Processed by STIC:

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 09/890,836B

CRF Edit Date: 07-25-05

Edited by: KD

____ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

____ Corrected the SEQ ID NO. Sequence numbers edited were:

_____

____ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

____ Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

____ Inserted mandatory headings/numeric identifiers, specifically:

_____

____ Moved responses to same line as heading/numeric identifier, specifically:

_____

✓ ____ Other: Inserted line enumeration for SeqID#s (4-7).

_____

_____

Revised 09/09/2003

IFW16

RAW SEQUENCE LISTING DATE: 07/25/2005
PATENT APPLICATION: **US/09/890,836B** TIME: 11:20:35

Input Set : **A:\pto.kd.TXT**
Output Set: **N:\CRF4\07252005\I890836B.raw**

```
     4 <110> APPLICANT: Andrew Bett
     5       Volker Sandig
     6       Rima Youil
     8 <120> TITLE OF INVENTION: IMPROVED HELPER DEPENDENT VECTOR SYSTEM
     9       FOR GENE THERAPY
    11 <130> FILE REFERENCE: 20377YP
    13 <140> CURRENT APPLICATION NUMBER: US 09/890,836B
    14 <141> CURRENT FILING DATE: 2001-08-03
    16 <150> PRIOR APPLICATION NUMBER: PCT/US00/02405
    17 <151> PRIOR FILING DATE: 2000-01-31
    19 <150> PRIOR APPLICATION NUMBER: 60/138,134
    20 <151> PRIOR FILING DATE: 1999-06-08
    22 <150> PRIOR APPLICATION NUMBER: 60/118,601
    23 <151> PRIOR FILING DATE: 1999-02-04
    25 <160> NUMBER OF SEQ ID NOS: 17
    27 <170> SOFTWARE: FastSEQ for Windows Version 4.0
    29 <210> SEQ ID NO: 1
    30 <211> LENGTH: 15
    31 <212> TYPE: DNA
    32 <213> ORGANISM: Artificial Sequence
    34 <220> FEATURE:
    35 <223> OTHER INFORMATION: Consensus sequence
W--> 37 <221> NAME/KEY: misc_feature
    38 <222> LOCATION: (1)...(15)
    39 <223> OTHER INFORMATION: n = A,T,C or G
W--> 41 <400> 1
W--> 42 atttgnnnnn nnncg                                          15
    44 <210> SEQ ID NO: 2
    45 <211> LENGTH: 10
    46 <212> TYPE: DNA
    47 <213> ORGANISM: Artificial Sequence
    49 <220> FEATURE:
    50 <223> OTHER INFORMATION: Adenovirus 5
    52 <400> SEQUENCE: 2
    53 attttgtgtt                                                  10
    55 <210> SEQ ID NO: 3
    56 <211> LENGTH: 10
    57 <212> TYPE: DNA
    58 <213> ORGANISM: Artificial Sequence
    60 <220> FEATURE:
    61 <223> OTHER INFORMATION: Consensus sequence
    63 <400> SEQUENCE: 3
    64 attttgttgt                                                  10
```

RAW SEQUENCE LISTING DATE: 07/25/2005
PATENT APPLICATION: **US/09/890,836B** TIME: 11:20:35

Input Set : **A:\pto.kd.TXT**
Output Set: **N:\CRF4\07252005\I890836B.raw**

66 <210> SEQ ID NO: 4
67 <211> LENGTH: 158
68 <212> TYPE: DNA
69 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <223> OTHER INFORMATION: Synthetic packaging signal
74 <400> SEQUENCE: 4
75 gtacacagga agtgactttt aacgcgcggt ttgttacgga tgttgtagta aatttgtcta 60
76 gggccgagta agatttgacc gtttacgcgg ggactttgaa taagagcgag tgaaatctga 120
77 ataattttgt tgtactcata gcgcgtaatc tctagacg 158
79 <210> SEQ ID NO: 5
80 <211> LENGTH: 158
81 <212> TYPE: DNA
82 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Adenovirus 5
87 <400> SEQUENCE: 5
88 gtacacagga agtgacaatt ttcgcgcggt tttaggcgga tgttgtagta aatttgggcg 60
89 taaccgagta agatttggcc attttcgcgg gaaaactgaa taagaggaag tgaaatctga 120
90 ataattttgt gttactcata gcgcgtaatc tctagacg 158
92 <210> SEQ ID NO: 6
93 <211> LENGTH: 65
94 <212> TYPE: DNA
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Linker
100 <400> SEQUENCE: 6
101 agctcggccg attattggcg cgccagatct gcggccgctt ctagaaacgc gtgaattcgg 60
102 cgcca 65
104 <210> SEQ ID NO: 7
105 <211> LENGTH: 65
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Linker
112 <400> SEQUENCE: 7
113 agcttggcgc cgaattcacg cgtttctaga agcggccgca gatctggcgc gccaataatc 60
114 ggccg 65
116 <210> SEQ ID NO: 8
117 <211> LENGTH: 40
118 <212> TYPE: DNA
119 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: PCR Primer
124 <400> SEQUENCE: 8
125 attggcgcgc cttctttctg ggatgattca gcatcaactc 40
127 <210> SEQ ID NO: 9
128 <211> LENGTH: 41
129 <212> TYPE: DNA

RAW SEQUENCE LISTING DATE: 07/25/2005
PATENT APPLICATION: **US/09/890,836B** TIME: 11:20:35

Input Set : **A:\pto.kd.TXT**
Output Set: **N:\CRF4\07252005\I890836B.raw**

130 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
133 <223> OTHER INFORMATION: PCR Primer
135 <400> SEQUENCE: 9
136 gatcgtcggc cgcttgggtc atagacttct ttgagaacca g 41
138 <210> SEQ ID NO: 10
139 <211> LENGTH: 41
140 <212> TYPE: DNA
141 <213> ORGANISM: Artificial Sequence
143 <220> FEATURE:
144 <223> OTHER INFORMATION: PCR Primer
146 <400> SEQUENCE: 10
147 atcagttagc ggccgcacaa gctaagatca caaagctgtt t 41
149 <210> SEQ ID NO: 11
150 <211> LENGTH: 37
151 <212> TYPE: DNA
152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: PCR Primer
157 <400> SEQUENCE: 11
158 tatggcgcgc cgctgacacc cagcctgggt gccggtg 37
160 <210> SEQ ID NO: 12
161 <211> LENGTH: 39
162 <212> TYPE: DNA
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: PCR Primer
168 <400> SEQUENCE: 12
169 tcgacgcgta gcgctgtgtg gccttggcag tttccatag 39
171 <210> SEQ ID NO: 13
172 <211> LENGTH: 45
173 <212> TYPE: DNA
174 <213> ORGANISM: Artificial Sequence
176 <220> FEATURE:
177 <223> OTHER INFORMATION: PCR Primer
179 <400> SEQUENCE: 13
180 tcagtaatgc ggccgcggga tcattcctgg actcagattg ttctg 45
182 <210> SEQ ID NO: 14
183 <211> LENGTH: 41
184 <212> TYPE: DNA
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: PCR Primer
190 <400> SEQUENCE: 14
191 tattaaggcg ccgggcatgg gagtgatctc accaactctg g 41
193 <210> SEQ ID NO: 15
194 <211> LENGTH: 46
195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING DATE: 07/25/2005
PATENT APPLICATION: **US/09/890,836B** TIME: 11:20:35

Input Set : **A:\pto.kd.TXT**
Output Set: **N:\CRF4\07252005\I890836B.raw**

198 <220> FEATURE:
199 <223> OTHER INFORMATION: PCR Primer
201 <400> SEQUENCE: 15
202 tcgacgcgta tttaaatgtg ctggagtgtt gagatactgt agtggt 46
204 <210> SEQ ID NO: 16
205 <211> LENGTH: 28068
206 <212> TYPE: DNA
207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Modified adenovirus
212 <400> SEQUENCE: 16
213 aaacatcatc aataatatac cttattttgg attgaagcca atatgataat gaggggggtgg 60
214 agtttgtgac gtggcgcggg gcgtgggaac ggggcgggtg acgtagtagt gtggcggaag 120
215 tgtgatgttg caagtgtggc ggaacacatg taagcgacgg atgtggcaaa agtgacgttt 180
216 ttggtgtgcg ccggtgtaca caggaagtga caattttcgc gcggttttag gcggatgttg 240
217 tagtaaattt gggcgtaacc gagtaagatt tggccatttt cgcgggaaaa ctgaataaga 300
218 ggaagtgaaa tctgaataat tttgtgttac tcatagcgcg taatatttgt ctagggccgc 360
219 ggggactttg accgtttacg tggagactcg cccaggtgtt tttctcaggt gttttccgcg 420
220 ttccgggtca aagttggcgt tttgattcgg ccgcttgggt catagacttc tttgagaacc 480
221 agttataagc tatggtttct ctccacagaa aaagcactta tggtgtctcc ccctttccag 540
222 cccaccaaca ttttacatct aatttggggg ggttttctgg accacttaat acccatccat 600
223 ggatctcatg tgaagactcc cctggcttga gaaatcactg tcttgttgaa aatgggaaca 660
224 aagctaagtc agatagctgg ttcatcagca atgactttga ccaagcctga tcccacccta 720
225 ccccacccca ccccagtgac cacccccccac aatggagcac acaactctaa actggtttgt 780
226 aggtatgtgt gtgtgaacac gctgaggaat ctgcaaaacc aaatggtgag tgcaaaacca 840
227 aacagtcacg agtaaatctc acaacaacca cgtcctgagc tgcagccctt gttgaactat 900
228 accccactag ggccccaaga ttttaggact tgtgtgtggg tgggacctcc cctttctatc 960
229 atgctttaga agacagggat ttcaccagaa ttgaacatat tgaacatatg acccattttt 1020
230 ttcagccaaa ggcaattaaa ataacttcat acttgatatc catgtcagca aaagctgcaa 1080
231 aacgcaaatg ggtggctgct aagagccctg gtaccctgac gagcacacca agtgcttagc 1140
232 aacagtggtg tccaaaggac cagctggaag cctgccttga tgagaagttg ctcttctttc 1200
233 tacatgaagg aacacctcta ctctcctgct tttaatacct gagctgtgag tgatcatcta 1260
234 tgtccattag caaacatccc agtggagaag gaaacactca tacccgaaat ctaagctaca 1320
235 tagttggaat cacttcaact tattgcaata aacacttact aagcacctat tgtgggcaag 1380
236 tctttgcaat ggataatagt tcagtagata ttttgatgta atatttgaaa taacaataaa 1440
237 aattgccacc actgaattta ttgagcattt gctgtgcttt aggcactaac ccaggttctt 1500
238 taaatatttg gtcttattcg atctgtataa atagccatct atgagaaagg gactattatt 1560
239 gcccttattt tacaaatgag gccaatgagg cccagagagg ttaactaagt tgcccaaaat 1620
240 catacagccc actagtggca gagcaggatg caaacccagg cttgcctcgt tcccaagccc 1680
241 acatgtcgtt tgcattggtg tggaggtgtg catgtgttta gtcattagca tgttatatga 1740
242 taagcaagtt ttgaaacata gaaacttaaa atgtgccatt aagaaaagta caggcaaggt 1800
243 tttccaaggg gaggtgtgga cctccggaca aatttttaag aactaattat aaatacttaa 1860
244 aaatgggaat aagaagacaa cctaactacc tgaacagttt tagagatgac tcatgcccac 1920
245 cctctaaaac ccaaacaaaa acaacaaagt caagaaaacc catgaaatct tagcaagcga 1980
246 tttctatgta cttgtgaaaa ggatttcttt accattctaa tgggatttat gccaaccata 2040
247 gagggctcag tgcccctccc atggggtggt tagtgagtac agagctgagc tcaccggcca 2100
248 tctgcagctt catgttatca agctccagtt tgtccttgga gcaaggttat ctgggacatg 2160
249 agcagaggca ttgctttctg caatggacag ttctttctgc ctgcatacct agctccttga 2220
250 taactttaaa taccatttta tagccacact ggagttttga agacctcaat atgcaaatat 2280

RAW SEQUENCE LISTING DATE: 07/25/2005
PATENT APPLICATION: **US/09/890,836B** TIME: 11:20:35

Input Set : **A:\pto.kd.TXT**
Output Set: **N:\CRF4\07252005\I890836B.raw**

251 tactcaggtt ctgattactt gtctgctcca tgataacaca ctctaaaagc aatgaatggg 2340
252 gcttatttgt agagaactga agcattttaa gcttttgctc aggaatccct ggtagcttcc 2400
253 tgtgacttgc aagatattag tgatgggtca agaaacagga ccccccatca gcataacata 2460
254 cgcagtgcct cagtagtcca tcaggcagaa aaaactgcag atggcacatg gaaatgacca 2520
255 gcggcggaag ataccccgac agtgtgggca gttctatttc agcagcaatc aagaggggc 2580
256 ctggagccac tcaatcaagt ggagcaggat gggagcaagc actgtgcaga ccaatgcaat 2640
257 ccccagttaa cacaaaaaat aaataaaaga gatgagattc agtctcttga ctgtgactga 2700
258 ctgggagctt tatagctgat gcttgtgtct tttctccatt ttatttaatt aggaaaagaa 2760
259 atgcttatca cacactctac gtgtgaggta caacctccac aggaaaggtt gttaggaaca 2820
260 tttcaacttc tagaagtttc taaacataag gtaaatccat ctttgtcctt gggatcactg 2880
261 cacatctcag aaaggcaaat aaatcagtaa ttggtgggca taattactag ctcatggact 2940
262 gacaaggtct acactatttc gaatctcaca gaagtaagcc atgggacaga tagagtctga 3000
263 tagtggtgcc ccgtttcctg gaggtcacac ttactcatcc ccctggaccc tgggcttctc 3060
264 atgattgtca gagagtttgc tggaaccagg tcagcccagt ttcccttccc ctgaaaaatc 3120
265 ctccaatggc tcgcaccaag actagagatg caagtgcaag cacatccacc ctctcagcag 3180
266 ccaggttttg cgttccataa tgtcacgtac ccccagtcat accaatctcc ttggagctct 3240
267 ccagacaggc tgccatgtgt ggtcggccct ctgtgcttgt gctccttggt ttgccaagcc 3300
268 tggaatgccc tttctccatg attgtactct gggaattctg tgtgtctttc gagatgaagc 3360
269 tcctccaccc tggaaattct gcctctcttt ccaggtccag ctcctgtggc tgaataccct 3420
270 tggctgactg aacattcttg ctgggccaag tcttaatcat ctctaaatcc ctctggtgcc 3480
271 ccgacagtat ctagcccagg caaagggctc agcaaatact tgcaaaattc aataaacttt 3540
272 actatgttac tagcttggca tgatgttcta ggcacttggg agattataat ctggtgagca 3600
273 ttgtgctagt ctttttttg ggataaacac caatgataaa ctgagccttt actctcattt 3660
274 tagcacatct actcatctct tttcaatgct ggtgggttta taaaacccat cagtagaaca 3720
275 gagagtgatc ataatcatat ggtgaaaata acatcagcta acatatttac tgaacatgct 3780
276 ttagtgtgct gggcactgaa ctctgtgcac atgtgaattt gagatagatt gttcctagct 3840
277 aataagatga ggaagtggag atgggcttac tcaagtcaca caatagcaag atggggtaca 3900
278 gacagaaacc aagctagaaa ccaagcaacc cctgggtttg gaaatgcatg ggctcctcct 3960
279 ctgcacatgg cgaggagcag tcaggtgctc ctccttctct catactgaaa taactctgca 4020
280 cttttggcta ttctgtgaca ctctgtgcta ttctgtagct caaatggctc tggtgcaagg 4080
281 agctcagatt atgactaacc cccatagata ttcagctgct ttgcaagaag tggatgaatg 4140
282 ctctggcttt ataaattatt gactagattg gatattggcc caatctccac tctggtgatt 4200
283 cggaaggagg catatgcaca tttgcaaggt tatagtagtg cactctaatt ccactggctt 4260
284 ctgagagctt gtaggtttct tgacttaatc attctggaat taaggtaatg gatcctcaac 4320
285 acctttctt tccctggcct ttactaacca tgtaacagaa atgagcagag aaaacccaag 4380
286 aaagcgaact ggagacttga tgagtgtgtc aaagatgctc agagtccaag gtcctctgtg 4440
287 gctcactgac ttcagaagcc aacctccgtt gttcaagtca cttgtgaggt tactatgcta 4500
288 gagcactaaa tattatccag atagcccaaa gaggtgaagg cagacatgtg gaagaacctg 4560
289 gatttttggg caagttgatg aatgcctcct gccccatatc aaagagaggt gataggagac 4620
290 aactttgtga atttgaaata atgcaccggg gaaacaggaa aacgtaatgt aagtcacgct 4680
291 tcttggcttt tttcttgcca ttaccctact tggccaagtg caaatgggat ttcaatatat 4740
292 cataagtatg catctattaa taacaatgca agaaagctgt acaactgaag tctgagattt 4800
293 tgtaagaaac agaatctctg taagcatcac catccaacag aacttcctga gttgatgctg 4860
294 aatcatccca gaaagaaggc gcgccagctc tgcaggatct tcaagtctgg ggtgccacca 4920
295 gcaagcgacg gtcctccatg ggctcttcac cttacggcag tgtccagagg caccgccagt 4980
296 cctctgctcc tatgctggtc ctgctgtccc tggcaaaagg agccagagca ttctctccag 5040
297 gcctcccgag gaggctgctt cctttgtttt gcagatggag gctcccatcc tttgttctga 5100
298 atcaatgtgc tccaaagata agccccaaga aaacagttgt tgccttttga cactgacaat 5160
299 tagaatcgtt ggaaaatgga gaaaacagga aatggcaaat ggtttcagtg accaggagga 5220

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/25/2005
PATENT APPLICATION: **US/09/890,836B** TIME: 11:20:36

Input Set : **A:\pto.kd.TXT**
Output Set: **N:\CRF4\07252005\I890836B.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 6,7,8,9,10,11,12,13

VERIFICATION SUMMARY DATE: 07/25/2005
PATENT APPLICATION: **US/09/890,836B** TIME: 11:20:36

Input Set : **A:\pto.kd.TXT**
Output Set: **N:\CRF4\07252005\I890836B.raw**

L:37 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:41 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:42 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0

Raw Sequence Listing before editing,
for reference only

IFW16

RAW SEQUENCE LISTING DATE: 07/19/2005
PATENT APPLICATION: **US/09/890,836B** TIME: 11:18:07

Input Set : **A:\PTO.RJ.TXT**
Output Set: **N:\CRF4\07192005\I890836B.raw**

```
 4 <110> APPLICANT: Andrew Bett
 5       Volker Sandig
 6       Rima Youil
 8 <120> TITLE OF INVENTION: IMPROVED HELPER DEPENDENT VECTOR SYSTEM
 9       FOR GENE THERAPY
11 <130> FILE REFERENCE: 20377YP
13 <140> CURRENT APPLICATION NUMBER: US 09/890,836B
14 <141> CURRENT FILING DATE: 2001-08-03
16 <150> PRIOR APPLICATION NUMBER: PCT/US00/02405
17 <151> PRIOR FILING DATE: 2000-01-31
19 <150> PRIOR APPLICATION NUMBER: 60/138,134
20 <151> PRIOR FILING DATE: 1999-06-08
22 <150> PRIOR APPLICATION NUMBER: 60/118,601
23 <151> PRIOR FILING DATE: 1999-02-04
25 <160> NUMBER OF SEQ ID NOS: 17
27 <170> SOFTWARE: FastSEQ for Windows Version 4.0
```

Does Not Comply
Corrected Diskette Needed
(pg 1-2)

ERRORED SEQUENCES

```
66 <210> SEQ ID NO: 4
67 <211> LENGTH: 158
68 <212> TYPE: DNA
69 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <223> OTHER INFORMATION: Synthetic packaging signal
74 <400> SEQUENCE: 4
E--> 75 gtacacagga agtgactttt aacgcgcggt ttgttacgga tgttgtagta aatttgtcta
W--> 76 60gggccgagta agatttgacc gtttacgcgg ggactttgaa taagagcgag tgaaatctga
E--> 77 120ataattttgt tgtactcata gcgcgtaatc tctagacg                    158
79 <210> SEQ ID NO: 5
80 <211> LENGTH: 158
81 <212> TYPE: DNA
82 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Adenovirus 5
87 <400> SEQUENCE: 5
E--> 88 gtacacagga agtgacaatt ttcgcgcggt tttaggcgga tgttgtagta aatttgggcg
W--> 89 60taaccgagta agatttggcc attttcgcgg gaaaactgaa taagaggaag tgaaatctga
E--> 90 120ataattttgt gttactcata gcgcgtaatc tctagacg                    158
92 <210> SEQ ID NO: 6
93 <211> LENGTH: 65
94 <212> TYPE: DNA
```

inserted indentation same

Same error

RAW SEQUENCE LISTING DATE: 07/19/2005
PATENT APPLICATION: **US/09/890,836B** TIME: 11:18:07

Input Set : **A:\PTO.RJ.TXT**
Output Set: **N:\CRF4\07192005\I890836B.raw**

95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Linker
100 <400> SEQUENCE: 6
W--> 101 agctcggccg attattggcg cgccagatct gcggccgctt ctagaaacgc gtgaattcgg 60cgcca
E--> 102 65
104 <210> SEQ ID NO: 7
105 <211> LENGTH: 65
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Linker
112 <400> SEQUENCE: 7
W--> 113 agcttggcgc cgaattcacg cgtttctaga agcggccgca gatctggcgc gccaataatc 60ggccg
E--> 114 65

Inserted Indentation

Same Error

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/19/2005
PATENT APPLICATION: **US/09/890,836B** TIME: 11:18:08

Input Set : **A:\PTO.RJ.TXT**
Output Set: **N:\CRF4\07192005\I890836B.raw**

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:6; Line(s) 101
Seq#:7; Line(s) 113

VERIFICATION SUMMARY DATE: 07/19/2005
PATENT APPLICATION: **US/09/890,836B** TIME: 11:18:08

Input Set : **A:\PTO.RJ.TXT**
Output Set: **N:\CRF4\07192005\I890836B.raw**

L:37 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:41 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:42 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:75 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:60 SEQ:4
L:76 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:6
L:77 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:4
M:254 Repeated in SeqNo=4
L:77 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:3
L:77 M:252 E: No. of Seq. differs, <211> LENGTH:Input:158 Found:98 SEQ:4
L:88 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:60 SEQ:5
L:89 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:6
L:90 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5
M:254 Repeated in SeqNo=5
L:90 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:3
L:90 M:252 E: No. of Seq. differs, <211> LENGTH:Input:158 Found:98 SEQ:5
L:101 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
L:102 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:6
L:102 M:301 E: (44) No Sequence Data was Shown, SEQ ID:6
L:102 M:252 E: No. of Seq. differs, <211> LENGTH:Input:65 Found:0 SEQ:6
L:113 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:7
L:114 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:7
L:114 M:301 E: (44) No Sequence Data was Shown, SEQ ID:7
L:114 M:252 E: No. of Seq. differs, <211> LENGTH:Input:65 Found:0 SEQ:7